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Pre-Amended

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Dietmar Strausnigg
Serial No. : Unknown
Filed : Herewith
Title : NON-LINEAR ECHO CANCELLATION IN
DISCRETE MULTI-TONE SYSTEMS
Art Unit : Unknown
Examiner : Unknown

BOX PCT
Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the claims:

Please amend claim 1-7, 9 and 11 as follows:

1. (Amended) A circuit arrangement for two-wire/four-wire conversion in a DMT system, which is connected to a digital reception path, a digital transmission path and also an analog transmission/reception path and which has an echo cancellation device in the time domain, the arrangement having a device for adaptation of the echo cancellation in the frequency domain, wherein the echo cancellation device is nonlinear; and the device for adaptation of the echo cancellation has a first linear model, a nonlinear model and also a second linear model; and the coefficients of the nonlinear model which are determined in the device for adaptation of the echo cancellation can be transferred to a nonlinear unit of the echo cancellation device.
2. (Amended) The circuit arrangement as claimed in claim 1, wherein the device for adaptation of the echo cancellation carries out the adaptation by means of a pilot tone.

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August 28, 2001

Samantha Bell

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